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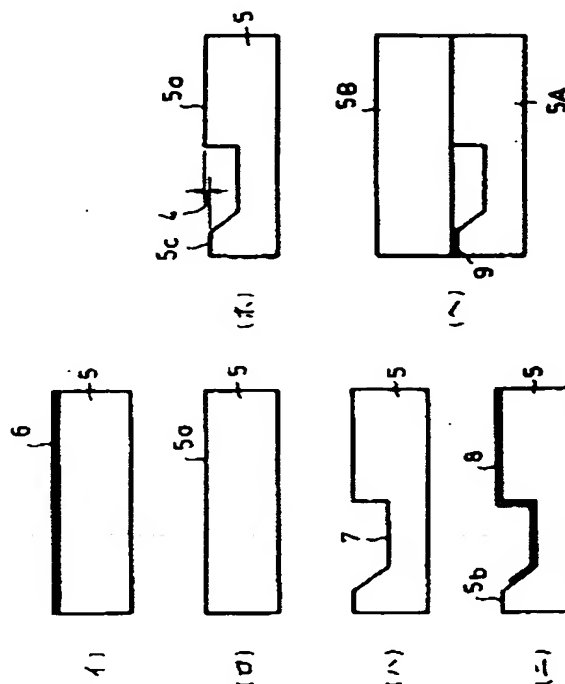
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TITLE : PRODUCTION OF MAGNETIC HEAD



ABSTRACT : PURPOSE: To form a surface forming a working gap with high surface accuracy and high yield, by producing a working gap forming surface which has a level difference to the gap forming surface of a magnetic head core by an ion beam milling process.

CONSTITUTION: The surface of a magnetic material 5 of single crystal ferrite, etc. is mirror finished, and a surface processed denatured layer 6 is shallowly by a mechano-chemical polishing process to obtain a good finished surface 5a. Then a winding groove 7 and a track width prescribing groove are formed, and the patterning is carried out by the photolithography to obtain a protecting film 8. Then a working gap forming surface 5c having a level difference 4 is formed by an ion beam milling process. The wafers 5A and 5B are butted to each other, and glass 9 is filled into a space formed by the difference 4. Then the wafers 5A and 5B are unified with a binder. In such a way, the surface 5c is obtained with high accuracy and high yield.

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